

Ag. Waste Application and Excavated Ponds  
Gregory County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |       | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features                  | Value | Rating class and<br>limiting features | Value |
| AaA:<br>Agar-----           | 90                        | Not limited  |       | Very limited<br>Deep to water         | 1.00  |
| AaB:<br>Agar-----           | 90                        | Not limited  |       | Very limited<br>Deep to water         | 1.00  |
| AdC:<br>Anselmo-----        | 60                        | Not limited  |       | Very limited<br>Deep to water         | 1.00  |
| Dunday-----                 | 30                        | Very limited<br>Filtering<br>capacity                  | 1.00  | Very limited<br>Deep to water         | 1.00  |
|                             |                           | Leaching<br>limitation                                 | 0.45  |                                       |       |
|                             |                           | Droughty   | 0.08  |                                       |       |
| AhB:<br>Anselmo-----        | 55                        | Not limited  |       | Very limited<br>Deep to water         | 1.00  |
| Holt-----                   | 30                        | Somewhat limited<br>Droughty                           | 0.73  | Very limited<br>Deep to water         | 1.00  |
|                             |                           | Depth to bedrock                                       | 0.42  |                                       |       |
| AhC:<br>Anselmo-----        | 50                        | Not limited  |       | Very limited<br>Deep to water         | 1.00  |
| Holt-----                   | 40                        | Somewhat limited<br>Droughty                           | 0.73  | Very limited<br>Deep to water         | 1.00  |
|                             |                           | Depth to bedrock                                       | 0.42  |                                       |       |
| AtE:<br>Anselmo-----        | 60                        | Very limited<br>Slope                                  | 1.00  | Very limited<br>Deep to water         | 1.00  |
| Tassel-----                 | 30                        | Very limited<br>Depth to bedrock                       | 1.00  | Very limited<br>Deep to water         | 1.00  |
|                             |                           | Droughty   | 1.00  |                                       |       |
|                             |                           | Slope  | 1.00  |                                       |       |
|                             |                           | Runoff limitation                                      | 0.40  |                                       |       |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds                 |              |
|-----------------------------|---------------------------|--|--------------------------------------|--|--------------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features          | Value        |
| BaE:<br>Betts-----          | 85                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Salinity  | 1.00<br>0.30<br>0.01                 | Very limited<br>Deep to water                  | 1.00         |
| Bb:<br>Bon-----             | 85                        | Not limited  |                                      | Very limited<br>Cutbanks cave<br>Deep to water | 1.00<br>0.81 |
| Bc:<br>Bon-----             | 75                        | Very limited<br>Flooding   | 1.00                                 | Very limited<br>Cutbanks cave<br>Deep to water | 1.00<br>0.81 |
| B1D:<br>Boro-----           | 50                        | Very limited<br>Restricted<br>permeability<br>Slope<br>Runoff limitation                                 | 1.00<br>0.63<br>0.40                 | Very limited<br>Deep to water                  | 1.00         |
| Lakoma-----                 | 35                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Slope<br>Depth to bedrock<br>Runoff limitation | 1.00<br>1.00<br>0.63<br>0.42<br>0.40 | Very limited<br>Deep to water                  | 1.00         |
| BmB:<br>Boro-----           | 60                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation  | 1.00<br>0.40                         | Very limited<br>Deep to water                  | 1.00         |
| Millboro-----               | 35                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation  | 1.00<br>0.40                         | Very limited<br>Deep to water                  | 1.00         |
| BmC:<br>Boro-----           | 60                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation  | 1.00<br>0.40                         | Very limited<br>Deep to water                  | 1.00         |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste  |                              | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|---|------------------------------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features   | Value                        | Rating class and<br>limiting features | Value |
| Millboro-----               | 35                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                               | 1.00<br>0.40                 | Very limited<br>Deep to water         | 1.00  |
| CaA:<br>Carter-----         | 55                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Runoff limitation<br>Salinity | 1.00<br>0.82<br>0.40<br>0.01 | Very limited<br>Deep to water         | 1.00  |
| Capa-----                   | 35                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Salinity<br>Runoff limitation | 1.00<br>1.00<br>0.50<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| CbA:<br>Carter-----         | 60                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Runoff limitation<br>Salinity | 1.00<br>0.82<br>0.40<br>0.01 | Very limited<br>Deep to water         | 1.00  |
| Promise-----                | 35                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation<br>Sodium content             | 1.00<br>0.40<br>0.02         | Very limited<br>Deep to water         | 1.00  |
| Cd:<br>Cass-----            | 90                        | Very limited<br>Flooding  | 1.00                         | Very limited<br>Deep to water         | 1.00  |
| CrC:<br>Coly-----           | 85                        | Not limited   |                              | Very limited<br>Deep to water         | 1.00  |
| CrE:<br>Coly-----           | 80                        | Very limited<br>Slope   | 1.00                         | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds                              |                      |
|-----------------------------|---------------------------|--|--------------------------------------|---|----------------------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features                       | Value                |
| DaA:<br>Dunday-----         | 90                        | Very limited<br>Filtering<br>capacity<br>Leaching<br>limitation<br>Droughty  | 1.00<br>0.45<br>0.08                 | Very limited<br>Deep to water                               | 1.00                 |
| Du:<br>Durrstein-----       | 90                        | Very limited<br>Restricted<br>permeability<br>Depth to<br>saturated zone<br>Sodium content<br>Flooding<br>Salinity | 1.00<br>1.00<br>1.00<br>0.60<br>0.50 | Very limited<br>Slow refill<br>Salty water<br>Cutbanks cave | 1.00<br>0.50<br>0.10 |
| Fd:<br>Fedora-----          | 90                        | Very limited<br>Depth to<br>saturated zone<br>Filtering<br>capacity<br>Leaching<br>limitation                      | 1.00<br>1.00<br>0.70                 | Very limited<br>Cutbanks cave                               | 1.00                 |
| Ha:<br>Haynie Variant-----  | 55                        | Not limited  |                                      | Very limited<br>Deep to water                               | 1.00                 |
| Munjor-----                 | 35                        | Not limited  |                                      | Very limited<br>Deep to water                               | 1.00                 |
| HoA:<br>Holt-----           | 85                        | Somewhat limited<br>Droughty<br>Depth to bedrock   | 0.73<br>0.42                         | Very limited<br>Deep to water                               | 1.00                 |
| HoB:<br>Holt-----           | 85                        | Somewhat limited<br>Droughty<br>Depth to bedrock   | 0.73<br>0.42                         | Very limited<br>Deep to water                               | 1.00                 |
| HoC:<br>Holt-----           | 90                        | Somewhat limited<br>Droughty<br>Depth to bedrock   | 0.73<br>0.42                         | Very limited<br>Deep to water                               | 1.00                 |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste  |       | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|---|-------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features   | Value | Rating class and<br>limiting features | Value |
| HoD:<br>Holt-----           | 85                        | Somewhat limited<br>Droughty 0.73<br>Slope 0.63<br>Depth to bedrock 0.42  |       | Very limited<br>Deep to water         | 1.00  |
| Ia:<br>Inavale-----         | 90                        | Very limited<br>Filtering capacity 1.00<br>Flooding 0.60<br>Leaching limitation 0.45<br>Droughty 0.12                               |       | Very limited<br>Deep to water         | 1.00  |
| InB:<br>Inavale-----        | 85                        | Very limited<br>Filtering capacity 1.00<br>Droughty 0.88<br>Leaching limitation 0.45  |       | Very limited<br>Deep to water         | 1.00  |
| Ix:<br>Norway-----          | 90                        | Very limited<br>Depth to saturated zone 1.00<br>Flooding 1.00<br>Filtering capacity 1.00<br>Droughty 0.65<br>Runoff limitation 0.40 |       | Very limited<br>Cutbanks cave         | 1.00  |
| JaA:<br>Jansen-----         | 85                        | Very limited<br>Filtering capacity 1.00<br>Too acid 0.02  |       | Very limited<br>Deep to water         | 1.00  |
| JaB:<br>Jansen-----         | 85                        | Very limited<br>Filtering capacity 1.00<br>Too acid 0.02  |       | Very limited<br>Deep to water         | 1.00  |
| JaC:<br>Jansen-----         | 90                        | Very limited<br>Filtering capacity 1.00<br>Too acid 0.02  |       | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features | Value |
| JbA:<br>Jansen-----         | 65                        | Very limited<br>Filtering<br>capacity<br>Too acid  | 1.00<br>0.02                         | Very limited<br>Deep to water         | 1.00  |
| Brocksburg-----             | 25                        | Very limited<br>Filtering<br>capacity  | 1.00                                 | Very limited<br>Deep to water         | 1.00  |
| Ko:<br>Kolls-----           | 90                        | Very limited<br>Restricted<br>permeability<br>Depth to<br>saturated zone<br>Ponding<br>Runoff limitation | 1.00<br>1.00<br>1.00<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| LaB:<br>Labu-----           | 85                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation          | 1.00<br>0.97<br>0.42<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| LaC:<br>Labu-----           | 85                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation          | 1.00<br>0.97<br>0.42<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| LaD:<br>Labu-----           | 85                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Slope<br>Depth to bedrock<br>Runoff limitation | 1.00<br>0.97<br>0.63<br>0.42<br>0.40 | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |  | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|--|--|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features  | Value                                    | Rating class and<br>limiting features | Value |
| LcF:<br>Labu-----           | 45                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation | 1.00<br>1.00<br><br>0.97<br>0.42<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| Sansarc-----                | 40                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Depth to bedrock<br>Droughty<br>Runoff limitation | 1.00<br>1.00<br><br>1.00<br>1.00<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| LoD:<br>Lakoma-----         | 65                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Slope<br>Depth to bedrock<br>Runoff limitation | 1.00<br><br>1.00<br>0.63<br>0.42<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| Okaton-----                 | 35                        | Very limited<br>Restricted<br>permeability<br>Depth to bedrock<br>Droughty<br>Slope<br>Runoff limitation | 1.00<br><br>1.00<br>1.00<br>0.63<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| LwB:<br>Lakoma-----         | 45                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation          | 1.00<br><br>1.00<br>0.42<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| Wewela-----                 | 30                        | Somewhat limited<br>Droughty<br>Depth to bedrock   | 0.51<br>0.42                             | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name              | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds        |       |
|--|---------------------------|--|--------------------------------------|---------------------------------------|-------|
|  |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features | Value |
| LwC:<br>Lakoma-----                      | 50                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation          | 1.00<br>1.00<br>0.42<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| Wewela-----                              | 30                        | Somewhat limited<br>Droughty<br>Depth to bedrock   | 0.51<br>0.42                         | Very limited<br>Deep to water         | 1.00  |
| M-W:<br>Miscellaneous Water<br>Area----- | 100                       | Not rated  |                                      | Not rated                             |       |
| MaD:<br>Mariaville-----                  | 100                       | Very limited<br>Depth to bedrock<br>Droughty<br>Runoff limitation<br>Slope                               | 1.00<br>1.00<br>0.40<br>0.37         | Very limited<br>Deep to water         | 1.00  |
| MaF:<br>Mariaville-----                  | 85                        | Very limited<br>Slope<br>Depth to bedrock<br>Droughty<br>Runoff limitation                               | 1.00<br>1.00<br>1.00<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| MdF:<br>Mariaville-----                  | 40                        | Very limited<br>Slope<br>Depth to bedrock<br>Droughty<br>Runoff limitation                               | 1.00<br>1.00<br>1.00<br>0.40         | Very limited<br>Deep to water         | 1.00  |
| Labu-----                                | 25                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation | 1.00<br>1.00<br>0.97<br>0.42<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| Anselmo-----                             | 15                        | Very limited<br>Slope  | 1.00                                 | Very limited<br>Deep to water         | 1.00  |



Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features | Value |
| MeC:<br>Meadin-----         | 90                        | Very limited<br>Filtering<br>capacity<br>Droughty<br>Leaching<br>limitation<br>Too acid          | 1.00<br>0.71<br>0.45<br>0.02         | Very limited<br>Deep to water         | 1.00  |
| MeE:<br>Meadin-----         | 75                        | Very limited<br>Filtering<br>capacity<br>Slope<br>Droughty<br>Leaching<br>limitation<br>Too acid | 1.00<br>1.00<br>0.71<br>0.45<br>0.02 | Very limited<br>Deep to water         | 1.00  |
| MoA:<br>Millboro-----       | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                                  | 1.00<br>0.40                         | Very limited<br>Deep to water         | 1.00  |
| MoB:<br>Millboro-----       | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                                  | 1.00<br>0.40                         | Very limited<br>Deep to water         | 1.00  |
| MoC:<br>Millboro-----       | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                                  | 1.00<br>0.40                         | Very limited<br>Deep to water         | 1.00  |
| MpB:<br>Millboro-----       | 55                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                                  | 1.00<br>0.40                         | Very limited<br>Deep to water         | 1.00  |
| Lakoma-----                 | 35                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation  | 1.00<br>1.00<br>0.42<br>0.40         | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds   |                              |
|-----------------------------|---------------------------|--|--------------------------------------|--|------------------------------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features  | Value                        |
| MpC:<br>Millboro-----       | 50                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation  | 1.00<br>0.40                         | Very limited<br>Deep to water  | 1.00                         |
| Lakoma-----                 | 40                        | Very limited<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation          | 1.00<br>1.00<br>0.42<br>0.40         | Very limited<br>Deep to water  | 1.00                         |
| Mr:<br>Mosher-----          | 75                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Salinity<br>Runoff limitation            | 1.00<br>1.00<br>0.50<br>0.40         | Very limited<br>Cutbanks cave<br>Deep to water<br>Salty water<br>Slow refill | 1.00<br>0.81<br>0.50<br>0.43 |
| Ms:<br>Mosher-----          | 55                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Salinity<br>Runoff limitation            | 1.00<br>1.00<br>0.50<br>0.40         | Very limited<br>Cutbanks cave<br>Deep to water<br>Salty water<br>Slow refill | 1.00<br>0.81<br>0.50<br>0.43 |
| Jerauld-----                | 30                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Salinity<br>Runoff limitation            | 1.00<br>1.00<br>0.50<br>0.40         | Very limited<br>Deep to water  | 1.00                         |
| ObE:<br>Okaton-----         | 65                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Depth to bedrock<br>Droughty<br>Runoff limitation | 1.00<br>1.00<br>1.00<br>1.00<br>0.40 | Very limited<br>Deep to water  | 1.00                         |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |  | Aquifer-fed<br>excavated ponds        |          |
|-----------------------------|---------------------------|--|--|---------------------------------------|----------|
|                             |                           | Rating class and<br>limiting features  | Value  | Rating class and<br>limiting features | Value    |
| Lakoma-----                 | 35                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Droughty<br>Depth to bedrock<br>Runoff limitation | <br>1.00<br>1.00<br><br>1.00<br>0.42<br>0.40 | Very limited<br>Deep to water         | <br>1.00 |
| OcF:<br>Okaton-----         | 55                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Depth to bedrock<br>Droughty<br>Cobble content    | <br>1.00<br>1.00<br><br>1.00<br>1.00<br>1.00 | Very limited<br>Deep to water         | <br>1.00 |
| Mariaville-----             | 30                        | Very limited<br>Slope<br>Depth to bedrock<br>Droughty<br>Runoff limitation                               | <br>1.00<br>1.00<br>1.00<br>0.40             | Very limited<br>Deep to water         | <br>1.00 |
| OeC:<br>O'neill-----        | 90                        | Very limited<br>Filtering<br>capacity<br>Depth to dense<br>layer<br>Droughty<br>Too acid                 | <br>1.00<br>1.00<br><br>0.71<br>0.11         | Very limited<br>Deep to water         | <br>1.00 |
| On:<br>Onita-----           | 90                        | Somewhat limited<br>Restricted<br>permeability   | <br>0.30                                     | Very limited<br>Deep to water         | <br>1.00 |
| Or:<br>Orthents, Loamy----- | 70                        | Not rated  |  | Not rated                             |          |
| Orthents, Shaly-----        | 30                        | Not rated  |  | Not rated                             |          |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|--|--------------------------------------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features | Value |
| Ot:<br>Onita-----           | 90                        | Somewhat limited<br>Restricted<br>permeability   | 0.30                                 | Very limited<br>Deep to water         | 1.00  |
| Pg:<br>Orthents, Gravelly-- | 100                       | Very limited<br>Filtering<br>capacity<br>Droughty<br>Leaching<br>limitation                                      | 1.00<br>0.95<br>0.45                 | Very limited<br>Deep to water         | 1.00  |
| Pm:<br>Platte-----          | 85                        | Very limited<br>Filtering<br>capacity<br>Depth to<br>saturated zone<br>Droughty<br>Flooding<br>Runoff limitation | 1.00<br>1.00<br>0.93<br>0.60<br>0.40 | Very limited<br>Cutbanks cave         | 1.00  |
| PrA:<br>Promise-----        | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation<br>Sodium content                                | 1.00<br>0.40<br>0.02                 | Very limited<br>Deep to water         | 1.00  |
| PrB:<br>Promise-----        | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation<br>Sodium content                                | 1.00<br>0.40<br>0.02                 | Very limited<br>Deep to water         | 1.00  |
| PrC:<br>Promise-----        | 100                       | Very limited<br>Restricted<br>permeability<br>Runoff limitation<br>Sodium content                                | 1.00<br>0.40<br>0.02                 | Very limited<br>Deep to water         | 1.00  |
| RaA:<br>Ree-----            | 90                        | Very limited<br>Filtering<br>capacity  | 1.00                                 | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste              |                      | Aquifer-fed<br>excavated ponds        |       |
|-----------------------------|---------------------------|---|----------------------|---------------------------------------|-------|
|                             |                           | Rating class and<br>limiting features                               | Value                | Rating class and<br>limiting features | Value |
| RaB:<br>Ree-----            | 90                        | Very limited<br>Filtering<br>capacity                               | 1.00                 | Very limited<br>Deep to water         | 1.00  |
| RaC:<br>Ree-----            | 90                        | Very limited<br>Filtering<br>capacity                               | 1.00                 | Very limited<br>Deep to water         | 1.00  |
| RbA:<br>Ree-----            | 85                        | Very limited<br>Filtering<br>capacity<br>Restricted<br>permeability | 1.00<br>0.30         | Very limited<br>Deep to water         | 1.00  |
| RcC:<br>Ree-----            | 70                        | Very limited<br>Filtering<br>capacity                               | 1.00                 | Very limited<br>Deep to water         | 1.00  |
| Tassel-----                 | 20                        | Very limited<br>Depth to bedrock<br>Droughty<br>Runoff limitation   | 1.00<br>1.00<br>0.40 | Very limited<br>Deep to water         | 1.00  |
| ReA:<br>Reliance-----       | 85                        | Somewhat limited<br>Restricted<br>permeability                      | 0.30                 | Very limited<br>Deep to water         | 1.00  |
| ReB:<br>Reliance-----       | 90                        | Somewhat limited<br>Restricted<br>permeability                      | 0.30                 | Very limited<br>Deep to water         | 1.00  |
| ReB2:<br>Reliance-----      | 90                        | Somewhat limited<br>Restricted<br>permeability                      | 0.30                 | Very limited<br>Deep to water         | 1.00  |
| ReC:<br>Reliance-----       | 90                        | Somewhat limited<br>Restricted<br>permeability                      | 0.30                 | Very limited<br>Deep to water         | 1.00  |
| ReC2:<br>Reliance-----      | 90                        | Somewhat limited<br>Restricted<br>permeability                      | 0.30                 | Very limited<br>Deep to water         | 1.00  |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste   |                                      | Aquifer-fed<br>excavated ponds                       |              |
|-----------------------------|---------------------------|--|--------------------------------------|--|--------------|
|                             |                           | Rating class and<br>limiting features  | Value                                | Rating class and<br>limiting features                | Value        |
| ReD:<br>Reliance-----       | 90                        | Somewhat limited<br>Slope<br>Restricted<br>permeability  | 0.63<br>0.30                         | Very limited<br>Deep to water                        | 1.00         |
| ReD2:<br>Reliance-----      | 90                        | Somewhat limited<br>Slope<br>Restricted<br>permeability  | 0.63<br>0.30                         | Very limited<br>Deep to water                        | 1.00         |
| Rv:<br>Riverwash-----       | 100                       | Not rated  |                                      | Not rated  |              |
| ScE:<br>Sansarc-----        | 65                        | Very limited<br>Slope<br>Restricted<br>permeability<br>Depth to bedrock<br>Droughty<br>Runoff limitation             | 1.00<br>1.00<br>1.00<br>1.00<br>0.40 | Very limited<br>Deep to water                        | 1.00         |
| Rock Outcrop, Soft--        | 30                        | Not rated  |                                      | Not rated  |              |
| So:<br>Scott-----           | 85                        | Very limited<br>Restricted<br>permeability<br>Depth to<br>saturated zone<br>Ponding<br>Runoff limitation<br>Too acid | 1.00<br>1.00<br>1.00<br>0.40<br>0.11 | Somewhat limited<br>Slow refill<br><br>Cutbanks cave | 0.30<br>0.10 |
| TrE:<br>Tassel-----         | 70                        | Very limited<br>Depth to bedrock<br>Droughty<br>Slope<br>Runoff limitation   | 1.00<br>1.00<br>1.00<br>0.40         | Very limited<br>Deep to water                        | 1.00         |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name              | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste                               |                              | Aquifer-fed<br>excavated ponds                                    |                          |
|--|---------------------------|--|------------------------------|---|--------------------------|
|  |                           | Rating class and<br>limiting features  | Value                        | Rating class and<br>limiting features                             | Value                    |
| Rock Outcrop,<br>Sandstone-----          | 20                        | Not rated  |                              | Not rated   |                          |
| U1A:<br>Uly-----                         | 85                        | Not limited  |                              | Very limited<br>Deep to water                                     | 1.00                     |
| U1B:<br>Uly-----                         | 85                        | Not limited  |                              | Very limited<br>Deep to water                                     | 1.00                     |
| VaC:<br>Valentine-----                   | 85                        | Very limited<br>Filtering<br>capacity<br>Droughty<br>Leaching<br>limitation          | 1.00<br>0.66<br>0.45         | Very limited<br>Deep to water                                     | 1.00                     |
| VaD:<br>Valentine-----                   | 85                        | Very limited<br>Filtering<br>capacity<br>Slope<br>Droughty<br>Leaching<br>limitation | 1.00<br>0.96<br>0.66<br>0.45 | Very limited<br>Deep to water                                     | 1.00                     |
| Vt:<br>Vetal-----                        | 90                        | Not limited  |                              | Very limited<br>Deep to water                                     | 1.00                     |
| W:<br>Water (less Than 40<br>Acres)----- | 100                       | Not rated  |                              | Not rated   |                          |
| Wd:<br>Wendte-----                       | 90                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation                      | 1.00<br>0.40                 | Very limited<br>Slow refill<br><br>Deep to water<br>Cutbanks cave | 1.00<br><br>0.90<br>0.10 |

Ag. Waste Application and Excavated Ponds -- continued  
Gregory County, South Dakota

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste                      |                      | Aquifer-fed<br>excavated ponds                                    |                      |
|-----------------------------|---------------------------|---|----------------------|---|----------------------|
|                             |                           | Rating class and<br>limiting features                                       | Value                | Rating class and<br>limiting features                             | Value                |
| We:<br>Wendte-----          | 90                        | Very limited<br>Restricted<br>permeability<br>Flooding<br>Runoff limitation | 1.00<br>1.00<br>0.40 | Very limited<br>Slow refill<br>Deep to water<br>Cutbanks cave     | 1.00<br>0.90<br>0.10 |
| Wh:<br>Whitelake-----       | 90                        | Very limited<br>Restricted<br>permeability<br>Sodium content<br>Salinity    | 1.00<br>1.00<br>0.50 | Somewhat limited<br>Deep to water<br>Salty water<br>Cutbanks cave | 0.81<br>0.50<br>0.10 |
| Wn:<br>Witten-----          | 99                        | Very limited<br>Restricted<br>permeability<br>Runoff limitation             | 1.00<br>0.40         | Very limited<br>Deep to water                                     | 1.00                 |



